

Waste Management Program

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Program Administrator

What We Do

We ensure wastes are managed in a manner that is protective of both the environment and human health

Activities Within Waste Management Program

- Solid Waste
- Hazardous Waste
- Asbestos
- Recycling

EPA delegated/approved

- Solid waste – approved in 1991
- Hazardous waste – delegated in 1984
- Asbestos – delegated in 1986

EPA oversees these programs. We cannot be less stringent than EPA rules and our laws do not allow us to be more stringent

Waste Management Activities

- Permitting
- Groundwater monitoring at landfills
- Inspections
- Enforcement
- Technical assistance/training
- Licensing/certification
- Complaint investigation

Regulated Community

- Solid Waste Permits: 245
- Regional Landfills: 15
- Hazardous Waste Generators: 2011
- Asbestos Abatement Workers: 327
- Recycling Facilities: 143

Staff

Thirteen individuals:

8 Scientists

4 Engineers

1 Hydrologist

Solid Waste

- Garbage, refuse
- Sludge from water treatment, air pollution control devices
- Discarded materials
- Liquids, solids, semi-solids and gases

From industrial, commercial, agricultural and community activities

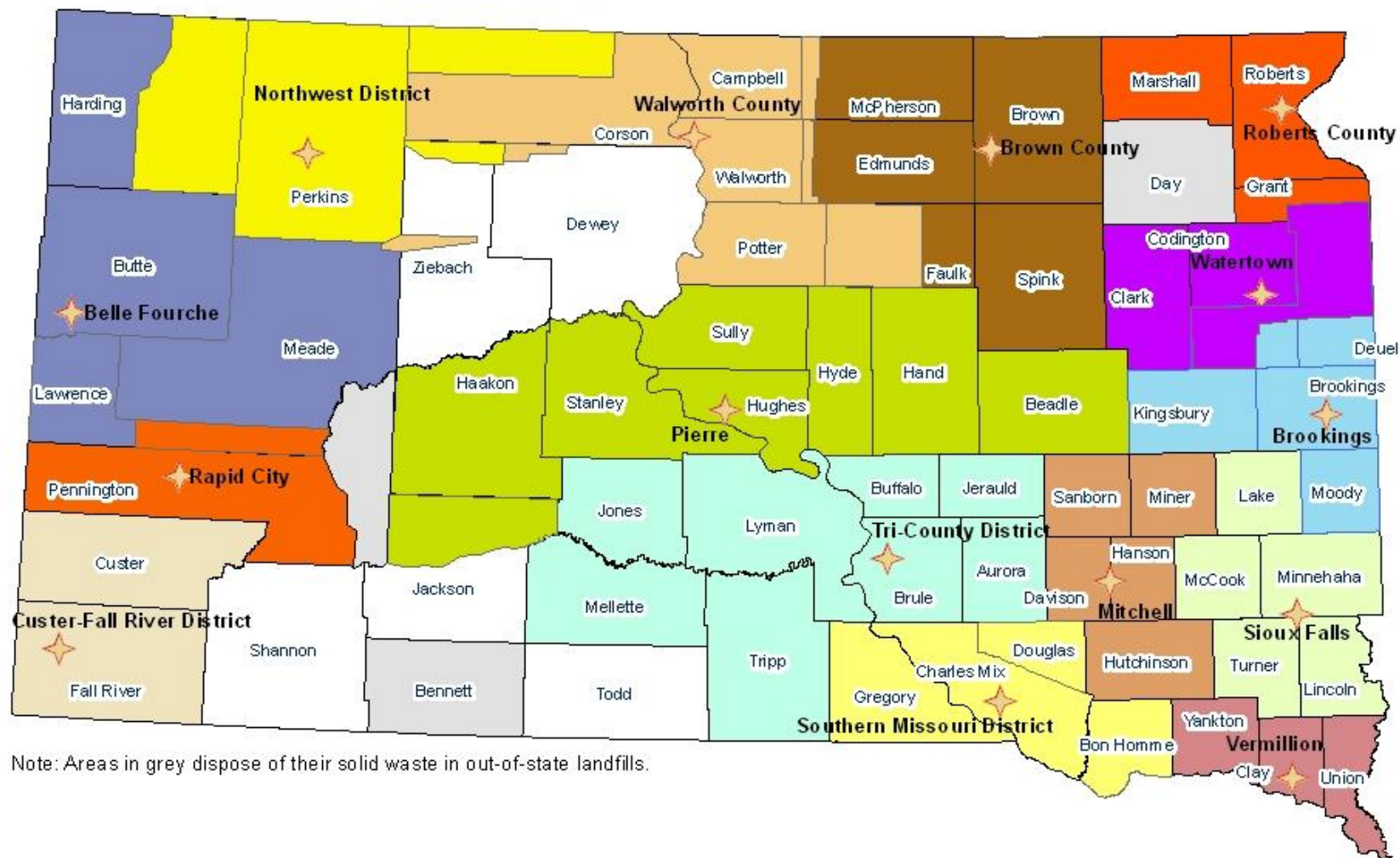
**Does not include mine tailings,
hazardous waste, or domestic sewage**

Examples of Solid Waste

- Household garbage
- Construction and demolition debris
- Industrial/manufacturing wastes
- Tires
- Water treatment sludge
- Contaminated soil
- Yard wastes
- Lumber mill wastes
- Coal ash
- Cheese processing waste



★ Location of SD Regional Landfills & Approximate Service Areas



Note: Areas in grey dispose of their solid waste in out-of-state landfills.

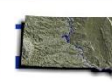




Sioux Falls Landfill



1 inch = 700 feet
Air Photo 2008
Map updated 6/15/10



South Dakota
Department of Environment
& Natural Resources
Waste Management











BATTERIES

ELECTRONICS

- COPY MACHINES
- FAX MACHINES
- TELEVISIONS
- KEYBOARDS
- COMPUTERS
- MONITORS
- PRINTERS
- SCANNERS
- LAPTOPS
- VCR'S

WASTE OIL

WASTE
OIL

ANTIFREEZE

PAINT

PROPANE
TANKS

TIRE

Hazardous Waste

Any waste considered detrimental to humans or other living things

- Corrosive
- Toxic
- Ignitable
- Explosive

Examples of Hazardous Waste

- Electroplating waste
- Dry cleaning chemical waste
- Wood preserving chemical waste
- Explosives manufacturing waste
- Solvent waste
- Painting waste
- Lab chemical waste
- Pharmaceutical waste
- Chemo waste
- Pesticide waste



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POISON

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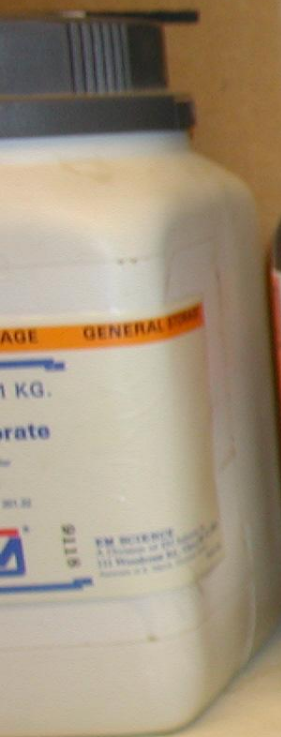
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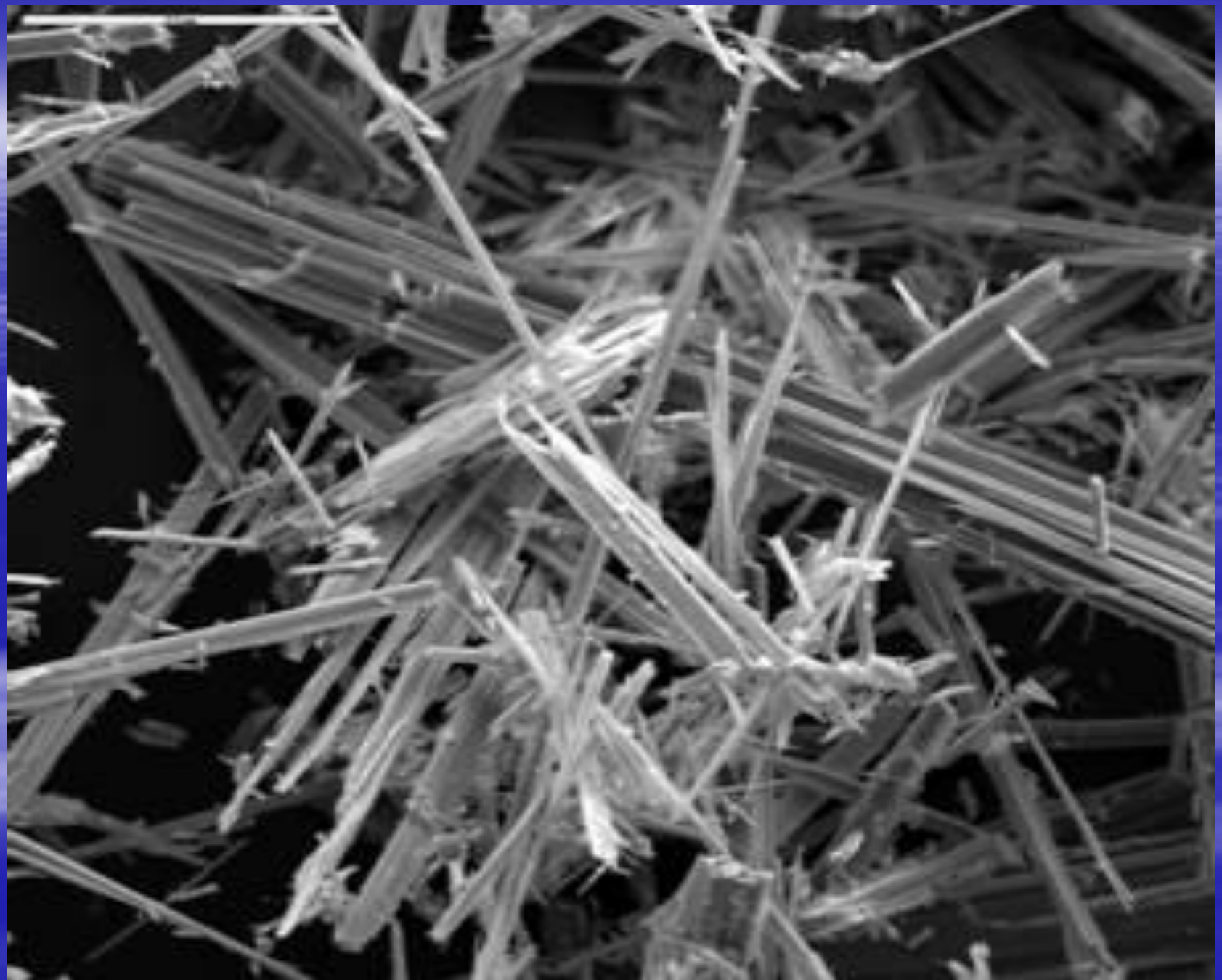


SIDEWINDER



Asbestos

- Microscopic mineral fiber
- Widely used from 1935 until 1989 for its chemical and heat resistant properties
- Naturally occurring
- Six different chemical forms
- Easily inhaled deep into lungs
- Known carcinogen



Asbestos is found in many products and materials

- Drywall and joint compound
- Plaster
- Insulation
- Fireproofing
- Vinyl floor tiles
- Ceiling tiles
- Roofing tars, felts, siding and shingles
- Acoustic ceilings
- Filters for removing fine particles from wine









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Recycling

- Any waste used as a raw material or product
- Composted yard wastes

Does not include any use associated with energy recovery

Examples of Recyclables

- Office paper/newspaper and magazines
- Cardboard
- Aluminum cans
- Scrap metal/precious metal
- Plastics
- Yard waste
- Concrete and asphalt pavement
- Asphalt shingles
- Lead acid batteries







Questions?